Claims

 A latent-heat storage type adsorbent composition for canisters comprising an adsorbent and a
 heat-storage material;

the adsorbent being capable of adsorbing fuel vapor,

the heat-storage material comprising a
microencapsulated phase-change material, the phase-change
material absorbing or releasing latent heat in response to
temperature change.

- 2. A latent-heat storage type adsorbent composition for canisters according to Claim 1, wherein the adsorbent is activated carbon, activated alumina or a mixture thereof.
- 3. A latent-heat storage type adsorbent composition for canisters according to Claim 1 or 2, wherein the average particle diameter of the heat-storage material is about 1/1000 to about 1/10 of that of the adsorbent.
- 4. A latent-heat storage type adsorbent composition for canisters according to Claim 1, 2 or 3, wherein the average particle diameter of the adsorbent is about 1 μm to about 10 mm.
- 25 5. A latent-heat storage type adsorbent

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composition for canisters according to any one of Claims 1 to 4, wherein the average particle diameter of the heatstorage material is about 0.1 to about 500 $\mu m\,.$

- 6. A latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 5, wherein the heat-storage material is adhered to and/or deposited on the surface of the adsorbent.
- 7. A latent-heat storage type adsorbent composition for canisters which is in a form of a molded article comprising a latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 6 and a binder.
 - 8. A latent-heat storage type adsorbent composition for canisters according to Claim 7, wherein the molded article is in at least one shape selected from the group consisting of pellet, disc and block.

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- 9. A method for producing a latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 6 wherein the heat-storage material is adhered to and/or deposited on the surface of the adsorbent.
- 10. A method for producing a latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 6 wherein the heat-storage material is electrostatically adhered to and/or deposited on the

surface of the adsorbent.

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- 11. A method for producing a latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 6 wherein the heat-storage material and the adsorbent are uniformly mixed.
- 12. A method for producing a latent-heat storage type adsorbent composition for canisters according to any one of Claims 1 to 6 wherein a slurry obtained by suspending the heat-storage material in a liquid medium is mixed with the adsorbent, and the mixture is then dried.
- 13. A method for producing a latent-heat storage type adsorbent composition for canisters comprising:

suspending a heat-storage material containing a microencapsulated phase-change material in a liquid medium to give a slurry, the phase-change material capable of absorbing or releasing latent heat in response to temperature change, and

spraying a liquid mixture containing the slurry and, if necessary, a binder, on the surface of the fuel vapor adsorbent.

14. A method for producing a latent-heat storage type adsorbent composition for canisters comprising:

molding a heat-storage material containing a microencapsulated phase-change material capable of absorbing or releasing latent heat in response to

temperature change to produce a molded article, and
uniformly mixing a fuel vapor adsorbent and the
molded article.

15. A method for producing a latent-heat storage type adsorbent composition for canisters comprising:

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uniformly mixing a fuel vapor adsorbent, a powdery heat storage material containing a microencapsulated phase-change material capable of absorbing or releasing latent heat in response to temperature change or a slurry suspending the powdery heat storage material in the liquid medium, a binder and water, and

molding the resultant mixture to form a desired shape.

- 16. A latent-heat storage type adsorbent composition for canisters obtained by the method according to any one of Claims 13 to 15.
- 17. A canister for preventing fuel vaporization in which the latent-heat storage type adsorbent composition of any one of Claims 1 to 8 and 16 is placed in a canister case.